

## ABSTRACT OF THE DISCLOSURE

- A modem and method for adjusting data transmission speed of the modem is provided. The modem, installed between a subscriber's terminal and an external modem for relaying communication, includes a timer for
- 5 determining data transmission speed from the external modem, and a timer controller for performing a training process for determining data transmission speed of a line connecting the modem and the external modem. The timer controller determining a clock value of the timer based on the data transmission speed of the line determined by the training process.
- 10 Accordingly, the data transmission speed of the model can be adjusted according to the data transmission speed of the line.